

FIG. 2 - Prior Art

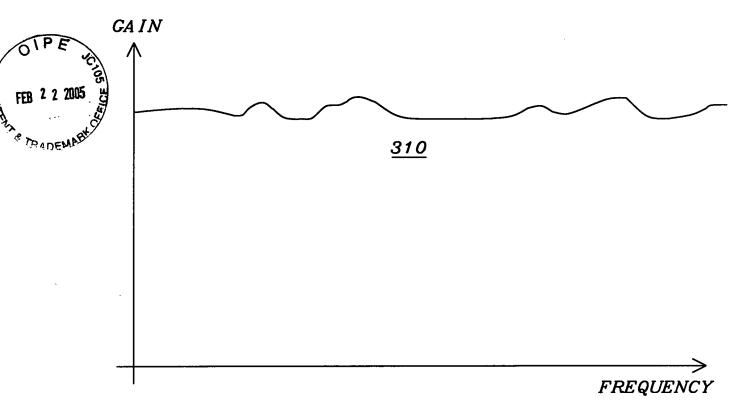


FIG. 3 - Prior Art

$$\underbrace{\frac{INPUT}{450}}_{H1(Z)}\underbrace{\frac{H2(Z)}{420}}_{H2(Z)}\underbrace{\frac{H3(Z)}{430}}_{H3(Z)}\underbrace{------}_{Hm(Z)}\underbrace{\frac{OUTPUT}{460}}_{460}$$

where  $H1, H2, H3, \ldots, H_m$  are given by:

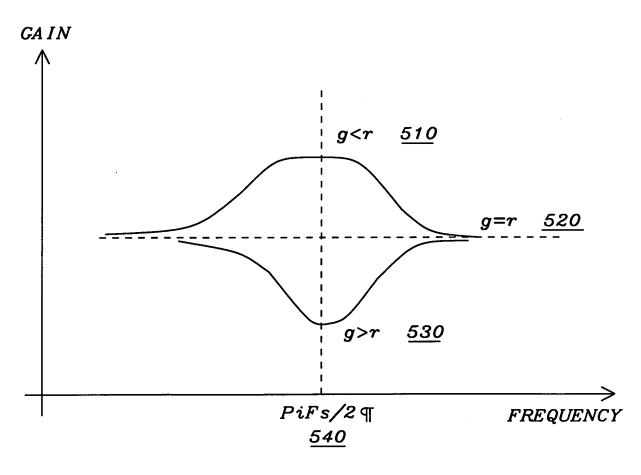
$$H_i(z) = \frac{1-az^{-1}}{1-bz^{-1}}$$

|a| and |b| are < 1 a and b have the same sign

$$H_{i}(z) = \frac{1 - 2g_{i}\cos(Pi)z^{-1} + g_{i}^{2}z^{2}}{1 - 2r_{i}\cos(Pi)z^{-1} + r_{i}^{2}z^{2}}$$

FIG. 4





*FIG.* 5